

Table 1. Proposed Source Water Quality Milestones for the CALFED Bay-Delta Program

Regulation	Promulgation / Effective Date	MCL or Treatment Requirement ¹	Treatment Assumptions	Source Water Quality Milestones at Effective Date ²
Stage 1 D/DBP Rule IESWTR	December 1998/ December 2001	TTHMs = 80 µg/L HAA5 = 60 µg/L Bromate = 10 µg/L TOC removal requirement for source water w/ TOC ≥ 4.0 mg/L 2-log <i>Giardia</i> inactivation	Enhanced coagulation with chlorine/ chloramines or Ozone at pH 6.5	Bromide < 300 µg/L TOC < 4.0 mg/L (Values are quarterly averages)
Stage 2 D/DBP Rule LT2ESWTR	May 2002/ 2005 - 2007	TTHMs = 40 µg/L HAA5 = 30 µg/L Bromate = 5 µg/L 2-log <i>Giardia</i> inactivation	Ozone at pH 6.5	Bromide < 100-150 µg/L TOC < 3.5 mg/L (Values are quarterly averages)
Stage 3 D/DBP Rule (Based on very tentative EPA timeline for future rulemaking)	December 2006/ 2009 - 2011	TTHMs = 40 µg/L HAA5 = 30 µg/L Bromate = 5 µg/L 1-log <i>Cryptosporidium</i> inactivation	Ozone at pH 6.5	Bromide < 50 µg/L TOC < 3.0 mg/L (Values are monthly averages)

1. MCLs indicated for Stage 2 and Stage 3 D/DBP Rules represent the current best assessment of likely future regulations, and are not an endorsement of these values.
2. Milestones for source water quality improvement to meet existing and proposed MCLs using current best available technology. Milestones may be met by providing an equivalent level of public health protection using a cost-effective combination of alternative source waters, source control and treatment.

Abbreviations: D/DBP = Disinfectants and Disinfection By-products; IESWTR = Interim Enhanced Surface Water Treatment Rule; LT2ESWTR = Long Term 2 Enhanced Surface Water Treatment Rule; MCL = maximum contaminant level; TTHMs = total trihalomethanes; HAA5 = haloacetic acids; TOC = total organic carbon.